SEQUENCE LISTING

<110> ARES TRADING S.A.

<120> C1Q RELATED PROTEIN

<130> P035721WO

<140> PCT/GB2004/004544
<141> 2004-10-27

<150> GB 0325038.8
<151> 2003-10-27

<160> 48

<170> SeqWin99, version 1.02

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<211> 846
<212> DNA
<213> Homo sapiens

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aaggcccggc tgcgggcccg ggacgtggtg tgtgttctca tctgtattga gtccctgtgc 660
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<210> 2
<211> 282
<212> PRT
<213> Homo sapiens

<400> 2
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1 5 10 15

Gln Arg Ala Asp Pro Pro Asn Ala Thr Ala Ser Ala Ser Ser Arg Glu
20 25 30

Gly Leu Pro Glu Ala Pro Lys Pro Ser Gln Ala Ser Gly Pro Glu Phe
35 40 45

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Ser Asp Ala His Met Thr Trp Leu Asn Phe Val Arg Arg Pro Asp Asp
    50                  55                  60

Gly Ala Leu Arg Lys Arg Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp
65                  70                  75                  80

Leu Phe Gly Pro Pro Gly Pro Pro Gly Ala Glu Val Thr Ala Glu Thr
                85                  90                  95

Leu Leu His Glu Phe Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg
            100                 105                 110

Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg
        115                 120                 125

Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val
    130                 135                 140

Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala
145                 150                 155                 160

Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg
                165                 170                 175

Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His
            180                 185                 190

Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp
        195                 200                 205

Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr
    210                 215                 220

Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr
225                 230                 235                 240

Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser
                245                 250                 255

Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly
            260                 265                 270

Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr
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<210> 3
<211> 663
<212> DNA
<213> Homo sapiens

<400> 3

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caggagctgc tgaaagaggc cacggagcgc cggttctcag ggcttctgga cccgctgctg   180
ccccaggggg cgggcctgcg gctggtgggc gaggcctttc actgccggct gcagggtccc   240
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cgccgggtgg acaagcggac gctggtggag ctgcatggtt tccaggctcc tgctgcccaa   300
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gcccggctgc gggcccggga cgtggtgtgt gttctcatct gtattgagtc cctgtgccag   480
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caggtgcagg ggctgctgca gctgcaggct ggacagtacg cttctgtgtt tgtggacaat   600
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acg                                                                 663

<210>   4
<211>   221
<212>   PRT
<213>   Homo sapiens

<400>   4
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1               5                   10                  15

Pro Arg Asp Leu Phe Gly Pro Pro Gly Pro Pro Gly Ala Glu Val Thr
            20                  25                  30

Ala Glu Thr Leu Leu His Glu Phe Gln Glu Leu Leu Lys Glu Ala Thr
        35                  40                  45

Glu Arg Arg Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala
    50                  55                  60

Gly Leu Arg Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly Pro
65                  70                  75                  80

Arg Arg Val Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala
                85                  90                  95

Pro Ala Ala Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala
            100                 105                 110

Ser Gly Arg Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala
        115                 120                 125

Ser Leu His Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg
    130                 135                 140

Ala Arg Asp Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln
145                 150                 155                 160

Arg His Thr Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg
                165                 170                 175

Val Phe Thr Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln
            180                 185                 190

Tyr Ala Ser Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile
        195                 200                 205

Gln Ala Gly Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr
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210 215 220

<210> 5
<211> 642
<212> DNA
<213> Homo sapiens

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gccagtctgc acgtggacca cagtgagctg cagggcaagg cccggctgcg ggcccgggac 420
gtggtgtgtg ttctcatctg tattgagtcc ctgtgccagc gccacacgtg cctggaggcc 480
gtctcaggcc tggagagcaa cagcagggtc ttcacgctac aggtgcaggg gctgctgcag 540
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<210> 6
<211> 214
<212> PRT
<213> Homo sapiens

<400> 6
Lys Arg Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp Leu Phe Gly Pro
1 5 10 15

Pro Gly Pro Pro Gly Ala Glu Val Thr Ala Glu Thr Leu Leu His Glu
20 25 30

Phe Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly Leu
35 40 45

Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly Glu
50 55 60

Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg Thr
65 70 75 80

Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala Phe
85 90 95

Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala Pro
100 105 110

Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His Ser
115 120 125

Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys Val
130 135 140

Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu Ala
145 150 155 160

```
Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val Gln
                165                 170                 175

Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val Asp
            180                 185                 190

Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe Ser
        195                 200                 205

Gly Leu Leu Leu Gly Thr
    210
```

<210> 7
<211> 636
<212> DNA
<213> Homo sapiens

<400> 7

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cgccggttct cagggcttct ggacccgctg ctgccccagg gggcgggcct gcggctggtg   180
ggcgaggcct ttcactgccg gctgcagggt ccccgccggg tggacaagcg gacgctggtg   240
gagctgcatg gtttccaggc tcctgctgcc caaggtgcct tcctgcgagg ctccggtctg   300
agcctggcct cgggtcggtt cacggccccc gtgtccggca tcttccagtt ctctgccagt   360
ctgcacgtgg accacagtga gctgcagggc aaggcccggc tgcgggcccg ggacgtggtg   420
tgtgttctca tctgtattga gtccctgtgc cagcgccaca cgtgcctgga ggccgtctca   480
ggcctggaga gcaacagcag ggtcttcacg ctacaggtgc aggggctgct gcagctgcag   540
gctggacagt acgcttctgt gtttgtggac aatggctccg gggccgtcct caccatccag   600
gcgggctcca gcttctccgg gctgctcctg ggcacg                              636
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<210> 8
<211> 212
<212> PRT
<213> Homo sapiens

<400> 8

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Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp Leu Phe Gly Pro Pro Gly
1               5                   10                  15

Pro Pro Gly Ala Glu Val Thr Ala Glu Thr Leu Leu His Glu Phe Gln
            20                  25                  30

Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly Leu Leu Asp
        35                  40                  45

Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly Glu Ala Phe
    50                  55                  60

His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg Thr Leu Val
65                  70                  75                  80

Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala Phe Leu Arg
                85                  90                  95
```

```
Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala Pro Val Ser
            100                 105                 110

Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His Ser Glu Leu
        115                 120                 125

Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys Val Leu Ile
    130                 135                 140

Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu Ala Val Ser
145                 150                 155                 160

Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val Gln Gly Leu
                165                 170                 175

Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val Asp Asn Gly
            180                 185                 190

Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe Ser Gly Leu
        195                 200                 205

Leu Leu Gly Thr
    210
```

<210> 9
<211> 510
<212> DNA
<213> Homo sapiens

<400> 9

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gcctttcact gccggctgca gggtccccgc cgggtggaca agcggacgct ggtggagctg   120
catggtttcc aggctcctgc tgcccaaggt gccttcctgc gaggctccgg tctgagcctg   180
gcctcgggtc ggttcacggc ccccgtgtcc ggcatcttcc agttctctgc cagtctgcac   240
gtggaccaca gtgagctgca gggcaaggcc cggctgcggg cccgggacgt ggtgtgtgtt   300
ctcatctgta ttgagtccct gtgccagcgc cacacgtgcc tggaggccgt ctcaggcctg   360
gagagcaaca gcagggtctt cacgctacag gtgcaggggc tgctgcagct gcaggctgga   420
cagtacgctt ctgtgtttgt ggacaatggc tccggggccg tcctcaccat ccaggcgggc   480
tccagcttct ccgggctgct cctgggcacg                                    510
```

<210> 10
<211> 170
<212> PRT
<213> Homo sapiens

<400> 10

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Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg
1               5                   10                  15

Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val
            20                  25                  30

Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala
        35                  40                  45
```

```
Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg
    50                  55                  60

Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His
65                  70                  75                  80

Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp
                85                  90                  95

Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr
            100                 105                 110

Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr
        115                 120                 125

Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser
    130                 135                 140

Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly
145                 150                 155                 160

Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr
                165                 170
```

<210> 11
<211> 417
<212> DNA
<213> Homo sapiens

<400> 11

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ttcctgcgag gctccggtct gagcctggcc tcgggtcggt tcacggcccc cgtgtccggc   120
atcttccagt tctctgccag tctgcacgtg gaccacagtg agctgcaggg caaggcccgg   180
ctgcgggccc gggacgtggt gtgtgttctc atctgtattg agtccctgtg ccagcgccac   240
acgtgcctgg aggccgtctc aggcctggag agcaacagca gggtcttcac gctacaggtg   300
caggggctgc tgcagctgca ggctggacag tacgcttctg tgtttgtgga caatggctcc   360
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```

<210> 12
<211> 139
<212> PRT
<213> Homo sapiens

<400> 12

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Val Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala
1               5                   10                  15

Ala Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly
            20                  25                  30

Arg Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu
        35                  40                  45

His Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg
    50                  55                  60
```

```
Asp Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His
65                  70                  75                  80

Thr Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe
                85                  90                  95

Thr Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala
            100                 105                 110

Ser Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala
        115                 120                 125

Gly Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr
    130                 135
```

<210> 13
<211> 405
<212> DNA
<213> Homo sapiens

<400> 13
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tctgccagtc tgcacgtgga ccacagtgag ctgcagggca aggcccggct gcgggcccgg 180
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gccgtctcag gcctggagag caacagcagg gtcttcacgc tacaggtgca ggggctgctg 300
cagctgcagg ctggacagta cgcttctgtg tttgtggaca atggctccgg ggccgtcctc 360
accatccagg cgggctccag cttctccggg ctgctcctgg gcacg 405

<210> 14
<211> 135
<212> PRT
<213> Homo sapiens

<400> 14
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Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala
1               5                   10                  15

Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala
            20                  25                  30

Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His
        35                  40                  45

Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys
    50                  55                  60

Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu
65                  70                  75                  80

Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val
                85                  90                  95

Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val
```

```
            100                 105                 110

Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe
        115                 120                 125

Ser Gly Leu Leu Leu Gly Thr
    130                 135
```

<210> 15
<211> 864
<212> DNA
<213> Homo sapiens

<400> 15

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gggggcgtcg gggcccggcg ggaggcacag aggacgcagc agcctggcca gcgcgcagat   60
ccccccaacg ccaccgccag cgcgtcctcc cgcgaggggc tgcccgaggc ccccaagcca   120
tcccaggcct caggacctga gttctccgac gcccacatga catggctgaa ctttgtccgg   180
cggccggacg acggcgcctt aaggaagcgg tgcggaagca gggacaagaa gccgcgggat   240
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tttcaggagc tgctgaaaga ggccacggag cgccggttct cagggcttct ggacccgctg   360
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ccccgccggg tggacaagcg gacgctggtg gagctgcatg gtttccaggc tcctgctgcc   480
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cagcgccaca cgtgcctgga ggccgtctca ggcctggaga gcaacagcag ggtcttcacg   720
ctacaggtgc aggggctgct gcagctgcag gctggacagt acgcttctgt gtttgtggac   780
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<210> 16
<211> 288
<212> PRT
<213> Homo sapiens

<400> 16

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Gly Gly Val Gly Ala Arg Arg Glu Ala Gln Arg Thr Gln Gln Pro Gly
1               5                   10                  15

Gln Arg Ala Asp Pro Pro Asn Ala Thr Ala Ser Ala Ser Ser Arg Glu
            20                  25                  30

Gly Leu Pro Glu Ala Pro Lys Pro Ser Gln Ala Ser Gly Pro Glu Phe
        35                  40                  45

Ser Asp Ala His Met Thr Trp Leu Asn Phe Val Arg Arg Pro Asp Asp
    50                  55                  60

Gly Ala Leu Arg Lys Arg Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp
65                  70                  75                  80

Leu Phe Gly Pro Pro Gly Pro Pro Gly Ala Glu Val Thr Ala Glu Thr
                85                  90                  95

Leu Leu His Glu Phe Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg
```

```
            100                 105                 110

Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg
        115                 120                 125

Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val
    130                 135                 140

Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala
145                 150                 155                 160

Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg
                165                 170                 175

Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His
            180                 185                 190

Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp
        195                 200                 205

Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr
    210                 215                 220

Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr
225                 230                 235                 240

Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser
                245                 250                 255

Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly
            260                 265                 270

Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr His His His His His His
        275                 280                 285
```

<210> 17
<211> 681
<212> DNA
<213> Homo sapiens

<400> 17

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ttcggtcccc caggacctcc aggtgcagaa gtgaccgcgg agactctgct tcacgagttt   120
caggagctgc tgaaagaggc cacggagcgc cggttctcag ggcttctgga cccgctgctg   180
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cgccgggtgg acaagcggac gctggtggag ctgcatggtt tccaggctcc tgctgcccaa   300
ggtgccttcc tgcgaggctc cggtctgagc ctggcctcgg gtcggttcac ggcccccgtg   360
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<210> 18
<211> 227
<212> PRT
<213> Homo sapiens

<400> 18

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Pro Asp Asp Gly Ala Leu Arg Lys Arg Cys Gly Ser Arg Asp Lys Lys
1               5                  10                  15

Pro Arg Asp Leu Phe Gly Pro Pro Gly Pro Pro Gly Ala Glu Val Thr
            20                  25                  30

Ala Glu Thr Leu Leu His Glu Phe Gln Glu Leu Leu Lys Glu Ala Thr
        35                  40                  45

Glu Arg Arg Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala
    50                  55                  60

Gly Leu Arg Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly Pro
65                  70                  75                  80

Arg Arg Val Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala
                85                  90                  95

Pro Ala Ala Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala
            100                 105                 110

Ser Gly Arg Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala
        115                 120                 125

Ser Leu His Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg
    130                 135                 140

Ala Arg Asp Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln
145                 150                 155                 160

Arg His Thr Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg
                165                 170                 175

Val Phe Thr Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln
            180                 185                 190

Tyr Ala Ser Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile
        195                 200                 205

Gln Ala Gly Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr His His His
    210                 215                 220

His His His
225
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<210> 19
<211> 660
<212> DNA
<213> Homo sapiens

<400> 19
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ggtgcagaag tgaccgcgga gactctgctt cacgagtttc aggagctgct gaaagaggcc 120
acggagcgcc ggttctcagg gcttctggac ccgctgctgc cccagggggc gggcctgcgg 180
ctggtgggcg aggcctttca ctgccggctg cagggtcccc gccgggtgga caagcggacg 240
ctggtggagc tgcatggttt ccaggctcct gctgcccaag gtgccttcct gcgaggctcc 300
ggtctgagcc tggcctcggg tcggttcacg gcccccgtgt ccggcatctt ccagttctct 360
gccagtctgc acgtggacca cagtgagctg cagggcaagg cccggctgcg ggcccgggac 420
gtggtgtgtg ttctcatctg tattgagtcc ctgtgccagc gccacacgtg cctggaggcc 480
gtctcaggcc tggagagcaa cagcagggtc ttcacgctac aggtgcaggg gctgctgcag 540
ctgcaggctg gacagtacgc ttctgtgttt gtggacaatg gctccggggc cgtcctcacc 600
atccaggcgg gctccagctt ctccgggctg ctcctgggca cgcaccatca ccatcaccat 660

<210> 20
<211> 220
<212> PRT
<213> Homo sapiens

<400> 20
Lys Arg Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp Leu Phe Gly Pro
1 5 10 15

Pro Gly Pro Pro Gly Ala Glu Val Thr Ala Glu Thr Leu Leu His Glu
20 25 30

Phe Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly Leu
35 40 45

Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly Glu
50 55 60

Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg Thr
65 70 75 80

Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala Phe
85 90 95

Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala Pro
100 105 110

Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His Ser
115 120 125

Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys Val
130 135 140

Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu Ala
145 150 155 160

Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val Gln
165 170 175

Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val Asp
180 185 190

```
Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe Ser
        195                 200                 205

Gly Leu Leu Leu Gly Thr His His His His His His
    210                 215                 220
```

<210> 21
<211> 654
<212> DNA
<213> Homo sapiens

<400> 21

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tgcggaagca gggacaagaa gccgcgggat ctcttcggtc ccccaggacc tccaggtgca   60
gaagtgaccg cggagactct gcttcacgag tttcaggagc tgctgaaaga ggccacggag   120
cgccggttct cagggcttct ggacccgctg ctgccccagg gggcgggcct gcggctggtg   180
ggcgaggcct ttcactgccg gctgcagggt ccccgccggg tggacaagcg gacgctggtg   240
gagctgcatg gtttccaggc tcctgctgcc caaggtgcct tcctgcgagg ctccggtctg   300
agcctggcct cgggtcggtt cacggccccc gtgtccggca tcttccagtt ctctgccagt   360
ctgcacgtgg accacagtga gctgcagggc aaggcccggc tgcgggcccg ggacgtggtg   420
tgtgttctca tctgtattga gtccctgtgc cagcgccaca cgtgcctgga ggccgtctca   480
ggcctggaga gcaacagcag ggtcttcacg ctacaggtgc aggggctgct gcagctgcag   540
gctggacagt acgcttctgt gtttgtggac aatggctccg gggccgtcct caccatccag   600
gcgggctcca gcttctccgg gctgctcctg ggcacgcacc atcaccatca ccat         654
```

<210> 22
<211> 218
<212> PRT
<213> Homo sapiens

<400> 22

```
Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp Leu Phe Gly Pro Pro Gly
1               5                   10                  15

Pro Pro Gly Ala Glu Val Thr Ala Glu Thr Leu Leu His Glu Phe Gln
            20                  25                  30

Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly Leu Leu Asp
        35                  40                  45

Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly Glu Ala Phe
    50                  55                  60

His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg Thr Leu Val
65                  70                  75                  80

Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala Phe Leu Arg
                85                  90                  95

Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala Pro Val Ser
            100                 105                 110

Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His Ser Glu Leu
        115                 120                 125
```

```
Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys Val Leu Ile
    130                 135                 140

Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu Ala Val Ser
145                 150                 155                 160

Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val Gln Gly Leu
                165                 170                 175

Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val Asp Asn Gly
            180                 185                 190

Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe Ser Gly Leu
        195                 200                 205

Leu Leu Gly Thr His His His His His His
    210                 215
```

<210> 23
<211> 528
<212> DNA
<213> Homo sapiens

<400> 23

```
ttctcagggc ttctggaccc gctgctgccc caggggcgg gcctgcggct ggtgggcgag   60
gcctttcact gccggctgca gggtccccgc cgggtggaca agcggacgct ggtggagctg   120
catggtttcc aggctcctgc tgcccaaggt gccttcctgc gaggctccgg tctgagcctg   180
gcctcgggtc ggttcacggc ccccgtgtcc ggcatcttcc agttctctgc cagtctgcac   240
gtggaccaca gtgagctgca gggcaaggcc cggctgcggg cccgggacgt ggtgtgtgtt   300
ctcatctgta ttgagtccct gtgccagcgc cacacgtgcc tggaggccgt ctcaggcctg   360
gagagcaaca gcagggtctt cacgctacag gtgcaggggc tgctgcagct gcaggctgga   420
cagtacgctt ctgtgtttgt ggacaatggc tccggggccg tcctcaccat ccaggcgggc   480
tccagcttct ccgggctgct cctgggcacg caccatcacc atcaccat                528
```

<210> 24
<211> 176
<212> PRT
<213> Homo sapiens

<400> 24

```
Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg
1               5                   10                  15

Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val
            20                  25                  30

Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala
        35                  40                  45

Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg
    50                  55                  60

Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His
65                  70                  75                  80
```

```
Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp
                85                  90                  95

Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr
            100                 105                 110

Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr
        115                 120                 125

Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser
    130                 135                 140

Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly
145                 150                 155                 160

Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr His His His His His His
                165                 170                 175
```

<210> 25
<211> 435
<212> DNA
<213> Homo sapiens

<400> 25

```
gtggacaagc ggacgctggt ggagctgcat ggtttccagg ctcctgctgc ccaaggtgcc   60
ttcctgcgag gctccggtct gagcctggcc tcgggtcggt tcacggcccc cgtgtccggc   120
atcttccagt tctctgccag tctgcacgtg gaccacagtg agctgcaggg caaggcccgg   180
ctgcgggccc gggacgtggt gtgtgttctc atctgtattg agtccctgtg ccagcgccac   240
acgtgcctgg aggccgtctc aggcctggag agcaacagca gggtcttcac gctacaggtg   300
caggggctgc tgcagctgca ggctggacag tacgcttctg tgtttgtgga caatggctcc   360
ggggccgtcc tcaccatcca ggcgggctcc agcttctccg ggctgctcct gggcacgcac   420
catcaccatc accat                                                    435
```

<210> 26
<211> 145
<212> PRT
<213> Homo sapiens

<400> 26

```
Val Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala
1               5                   10                  15

Ala Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly
            20                  25                  30

Arg Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu
        35                  40                  45

His Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg
    50                  55                  60

Asp Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His
65                  70                  75                  80
```

```
Thr Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe
                85                  90                  95

Thr Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala
            100                 105                 110

Ser Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala
        115                 120                 125

Gly Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr His His His His His
    130                 135                 140

His
145
```

<210> 27
<211> 423
<212> DNA
<213> Homo sapiens

<400> 27

```
acgctggtgg agctgcatgg tttccaggct cctgctgccc aaggtgcctt cctgcgaggc   60
tccggtctga gcctggcctc gggtcggttc acggcccccg tgtccggcat cttccagttc   120
tctgccagtc tgcacgtgga ccacagtgag ctgcagggca aggcccggct gcgggcccgg   180
gacgtggtgt gtgttctcat ctgtattgag tccctgtgcc agcgccacac gtgcctggag   240
gccgtctcag gcctggagag caacagcagg gtcttcacgc tacaggtgca ggggctgctg   300
cagctgcagg ctggacagta cgcttctgtg tttgtggaca atggctccgg ggccgtcctc   360
accatccagg cgggctccag cttctccggg ctgctcctgg gcacgcacca tcaccatcac   420
cat                                                                 423
```

<210> 28
<211> 141
<212> PRT
<213> Homo sapiens

<400> 28

```
Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala
1               5                   10                  15

Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala
            20                  25                  30

Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His
        35                  40                  45

Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys
    50                  55                  60

Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu
65                  70                  75                  80

Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val
                85                  90                  95

Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val
```

```
            100                 105                 110

Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe
        115                 120                 125

Ser Gly Leu Leu Leu Gly Thr His His His His His His
    130                 135                 140
```

<210> 29
<211> 906
<212> DNA
<213> Homo sapiens

<400> 29

```
atgcggcgct gggcctgggc cgcggtcgtg gtcctcctcg ggccgcagct cgtgctcctc   60
gggggcgtcg gggcccggcg ggaggcacag aggacgcagc agcctggcca gcgcgcagat   120
ccccccaacg ccaccgccag cgcgtcctcc cgcgaggggc tgcccgaggc ccccaagcca   180
tcccaggcct caggacctga gttctccgac gcccacatga catggctgaa ctttgtccgg   240
cggccggacg acggcgcctt aaggaagcgg tgcggaagca gggacaagaa gccgcgggat   300
ctcttcggtc ccccaggacc tccaggtgca gaagtgaccg cggagactct gcttcacgag   360
tttcaggagc tgctgaaaga ggccacggag cgccggttct cagggcttct ggacccgctg   420
ctgccccagg gggcgggcct gcggctggtg ggcgaggcct ttcactgccg gctgcagggt   480
ccccgccggg tggacaagcg gacgctggtg gagctgcatg gtttccaggc tcctgctgcc   540
caaggtgcct tcctgcgagg ctccggtctg agcctggcct cgggtcggtt cacggccccc   600
gtgtccggca tcttccagtt ctctgccagt ctgcacgtgg accacagtga gctgcagggc   660
aaggcccggc tgcgggcccg ggacgtggtg tgtgttctca tctgtattga gtccctgtgc   720
cagcgccaca cgtgcctgga ggccgtctca ggcctggaga gcaacagcag ggtcttcacg   780
ctacaggtgc aggggctgct gcagctgcag gctggacagt acgcttctgt gtttgtggac   840
aatggctccg gggccgtcct caccatccag gcgggctcca gcttctccgg gctgctcctg   900
ggcacg                                                              906
```

<210> 30
<211> 302
<212> PRT
<213> Homo sapiens

<400> 30

```
Met Arg Arg Trp Ala Trp Ala Ala Val Val Val Leu Leu Gly Pro Gln
1               5                   10                  15

Leu Val Leu Leu Gly Gly Val Gly Ala Arg Arg Glu Ala Gln Arg Thr
            20                  25                  30

Gln Gln Pro Gly Gln Arg Ala Asp Pro Pro Asn Ala Thr Ala Ser Ala
        35                  40                  45

Ser Ser Arg Glu Gly Leu Pro Glu Ala Pro Lys Pro Ser Gln Ala Ser
    50                  55                  60

Gly Pro Glu Phe Ser Asp Ala His Met Thr Trp Leu Asn Phe Val Arg
65                  70                  75                  80

Arg Pro Asp Asp Gly Ala Leu Arg Lys Arg Cys Gly Ser Arg Asp Lys
                85                  90                  95
```

```
Lys Pro Arg Asp Leu Phe Gly Pro Pro Gly Pro Pro Gly Ala Glu Val
            100                 105                 110

Thr Ala Glu Thr Leu Leu His Glu Phe Gln Glu Leu Leu Lys Glu Ala
        115                 120                 125

Thr Glu Arg Arg Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly
    130                 135                 140

Ala Gly Leu Arg Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly
145                 150                 155                 160

Pro Arg Arg Val Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln
                165                 170                 175

Ala Pro Ala Ala Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu
            180                 185                 190

Ala Ser Gly Arg Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser
        195                 200                 205

Ala Ser Leu His Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu
    210                 215                 220

Arg Ala Arg Asp Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys
225                 230                 235                 240

Gln Arg His Thr Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser
                245                 250                 255

Arg Val Phe Thr Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly
            260                 265                 270

Gln Tyr Ala Ser Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr
        275                 280                 285

Ile Gln Ala Gly Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr
    290                 295                 300
```

<210> 31
<211> 924
<212> DNA
<213> Homo sapiens

<400> 31

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atgcggcgct gggcctgggc cgcggtcgtg gtcctcctcg ggccgcagct cgtgctcctc   60
gggggcgtcg gggcccggcg ggaggcacag aggacgcagc agcctggcca gcgcgcagat   120
ccccccaacg ccaccgccag cgcgtcctcc cgcgaggggc tgcccgaggc ccccaagcca   180
tcccaggcct caggacctga gttctccgac gcccacatga catggctgaa ctttgtccgg   240
cggccggacg acggcgcctt aaggaagcgg tgcggaagca gggacaagaa gccgcgggat   300
ctcttcggtc ccccaggacc tccaggtgca gaagtgaccg cggagactct gcttcacgag   360
tttcaggagc tgctgaaaga ggccacggag cgccggttct cagggcttct ggacccgctg   420
ctgccccagg gggcgggcct gcggctggtg ggcgaggcct ttcactgccg gctgcagggt   480
ccccgccggg tggacaagcg gacgctggtg gagctgcatg gtttccaggc tcctgctgcc   540
caaggtgcct tcctgcgagg ctccggtctg agcctggcct cgggtcggtt cacggccccc   600
```

gtgtccggca tcttccagtt ctctgccagt ctgcacgtgg accacagtga gctgcagggc 660
aaggcccggc tgcgggcccg ggacgtggtg tgtgttctca tctgtattga gtccctgtgc 720
cagcgccaca cgtgcctgga ggccgtctca ggcctggaga gcaacagcag ggtcttcacg 780
ctacaggtgc aggggctgct gcagctgcag gctggacagt acgcttctgt gtttgtggac 840
aatggctccg gggccgtcct caccatccag gcgggctcca gcttctccgg gctgctcctg 900
ggcacgcacc atcaccatca ccat 924

<210> 32
<211> 308
<212> PRT
<213> Homo sapiens

<400> 32
Met Arg Arg Trp Ala Trp Ala Ala Val Val Val Leu Leu Gly Pro Gln
1 5 10 15

Leu Val Leu Leu Gly Gly Val Gly Ala Arg Arg Glu Ala Gln Arg Thr
20 25 30

Gln Gln Pro Gly Gln Arg Ala Asp Pro Pro Asn Ala Thr Ala Ser Ala
35 40 45

Ser Ser Arg Glu Gly Leu Pro Glu Ala Pro Lys Pro Ser Gln Ala Ser
50 55 60

Gly Pro Glu Phe Ser Asp Ala His Met Thr Trp Leu Asn Phe Val Arg
65 70 75 80

Arg Pro Asp Asp Gly Ala Leu Arg Lys Arg Cys Gly Ser Arg Asp Lys
85 90 95

Lys Pro Arg Asp Leu Phe Gly Pro Pro Gly Pro Pro Gly Ala Glu Val
100 105 110

Thr Ala Glu Thr Leu Leu His Glu Phe Gln Glu Leu Leu Lys Glu Ala
115 120 125

Thr Glu Arg Arg Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly
130 135 140

Ala Gly Leu Arg Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly
145 150 155 160

Pro Arg Arg Val Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln
165 170 175

Ala Pro Ala Ala Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu
180 185 190

Ala Ser Gly Arg Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser
195 200 205

Ala Ser Leu His Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu
210 215 220

```
Arg Ala Arg Asp Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys
225                 230                 235                 240

Gln Arg His Thr Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser
                245                 250                 255

Arg Val Phe Thr Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly
            260                 265                 270

Gln Tyr Ala Ser Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr
        275                 280                 285

Ile Gln Ala Gly Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr His His
    290                 295                 300

His His His His
305
```

<210> 33
<211> 831
<212> DNA
<213> Homo sapiens

<400> 33

```
cggcgggagg cacagaggac gcagcagcct ggccagcgcg cagatccccc caacgccacc   60
gccagcgcgt cctcccgcga ggggctgccc gaggccccca agccatccca ggcctcagga   120
cctgagttct ccgacgccca catgacatgg ctgaactttg tccggcggcc ggacgacggc   180
gccttaagga agcggtgcgg aagcagggac aagaagccgc gggatctctt cggtccccca   240
ggacctccag gtgcagaagt gaccgcggag actctgcttc acgagtttca ggagctgctg   300
aaagaggcca cggagcgccg gttctcaggg cttctggacc cgctgctgcc ccaggggcg    360
ggcctgcggc tggtgggcga ggcctttcac tgccggctgc agggtccccg ccgggtggac   420
aagcggacgc tggtggagct gcatggtttc caggctcctg ctgcccaagg tgccttcctg   480
cgaggctccg gtctgagcct ggcctcgggt cggttcacgg cccccgtgtc cggcatcttc   540
cagttctctg ccagtctgca cgtggaccac agtgagctgc agggcaaggc ccggctgcgg   600
gcccgggacg tggtgtgtgt tctcatctgt attgagtccc tgtgccagcg ccacacgtgc   660
ctggaggccg tctcaggcct ggagagcaac agcagggtct tcacgctaca ggtgcagggg   720
ctgctgcagc tgcaggctgg acagtacgct tctgtgtttg tggacaatgg ctccggggcc   780
gtcctcacca tccaggcggg ctccagcttc tccgggctgc tcctgggcac g             831
```

<210> 34
<211> 277
<212> PRT
<213> Homo sapiens

<400> 34

```
Arg Arg Glu Ala Gln Arg Thr Gln Gln Pro Gly Gln Arg Ala Asp Pro
1               5                   10                  15

Pro Asn Ala Thr Ala Ser Ala Ser Ser Arg Glu Gly Leu Pro Glu Ala
            20                  25                  30

Pro Lys Pro Ser Gln Ala Ser Gly Pro Glu Phe Ser Asp Ala His Met
        35                  40                  45

Thr Trp Leu Asn Phe Val Arg Arg Pro Asp Asp Gly Ala Leu Arg Lys
```

```
    50                  55                  60

Arg Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp Leu Phe Gly Pro Pro
65                  70                  75                  80

Gly Pro Pro Gly Ala Glu Val Thr Ala Glu Thr Leu Leu His Glu Phe
                85                  90                  95

Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly Leu Leu
            100                 105                 110

Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly Glu Ala
        115                 120                 125

Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg Thr Leu
    130                 135                 140

Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala Phe Leu
145                 150                 155                 160

Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala Pro Val
                165                 170                 175

Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His Ser Glu
            180                 185                 190

Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys Val Leu
        195                 200                 205

Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu Ala Val
    210                 215                 220

Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val Gln Gly
225                 230                 235                 240

Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val Asp Asn
                245                 250                 255

Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe Ser Gly
            260                 265                 270

Leu Leu Leu Gly Thr
        275

<210>   35
<211>   849
<212>   DNA
<213>   Homo sapiens

<400>   35
cggcgggagg cacagaggac gcagcagcct ggccagcgcg cagatccccc caacgccacc   60
gccagcgcgt cctcccgcga ggggctgccc gaggccccca agccatccca ggcctcagga   120
cctgagttct ccgacgccca catgacatgg ctgaactttg tccggcggcc ggacgacggc   180
gccttaagga agcggtgcgg aagcagggac aagaagccgc gggatctctt cggtccccca   240
ggacctccag gtgcagaagt gaccgcggag actctgcttc acgagtttca ggagctgctg   300
```

```
aaagaggcca cggagcgccg gttctcaggg cttctggacc cgctgctgcc ccaggggcg   360
ggcctgcggc tggtgggcga ggcctttcac tgccggctgc agggtccccg ccgggtggac   420
aagcggacgc tggtggagct gcatggtttc caggctcctg ctgcccaagg tgccttcctg   480
cgaggctccg gtctgagcct ggcctcgggt cggttcacgg cccccgtgtc cggcatcttc   540
cagttctctg ccagtctgca cgtggaccac agtgagctgc agggcaaggc ccggctgcgg   600
gcccgggacg tggtgtgtgt tctcatctgt attgagtccc tgtgccagcg ccacacgtgc   660
ctggaggccg tctcaggcct ggagagcaac agcagggtct tcacgctaca ggtgcagggg   720
ctgctgcagc tgcaggctgg acagtacgct tctgtgtttg tggacaatgg ctccggggcc   780
gtcctcacca tccaggcggg ctccagcttc tccgggctgc tcctgggcac gcaccatcac   840
catcaccat                                                           849
```

<210> 36
<211> 283
<212> PRT
<213> Homo sapiens

<400> 36

```
Arg Arg Glu Ala Gln Arg Thr Gln Gln Pro Gly Gln Arg Ala Asp Pro
1               5                  10                  15

Pro Asn Ala Thr Ala Ser Ala Ser Ser Arg Glu Gly Leu Pro Glu Ala
            20                  25                  30

Pro Lys Pro Ser Gln Ala Ser Gly Pro Glu Phe Ser Asp Ala His Met
        35                  40                  45

Thr Trp Leu Asn Phe Val Arg Arg Pro Asp Asp Gly Ala Leu Arg Lys
    50                  55                  60

Arg Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp Leu Phe Gly Pro Pro
65                  70                  75                  80

Gly Pro Pro Gly Ala Glu Val Thr Ala Glu Thr Leu Leu His Glu Phe
                85                  90                  95

Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly Leu Leu
            100                 105                 110

Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly Glu Ala
        115                 120                 125

Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg Thr Leu
    130                 135                 140

Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala Phe Leu
145                 150                 155                 160

Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala Pro Val
                165                 170                 175

Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His Ser Glu
            180                 185                 190

Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys Val Leu
        195                 200                 205
```

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Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu Ala Val
    210                 215                 220

Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val Gln Gly
225                 230                 235                 240

Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val Asp Asn
                245                 250                 255

Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe Ser Gly
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Leu Leu Leu Gly Thr His His His His His His
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